



AMENDMENTS TO THE CLAIMS

WHAT IS CLAIMED IS:

1. (Currently amended) A device comprising:
a textile substrate having a first surface;
a coating on the first surface of said textile substrate, said coating including a cationic material and a repellent finish, ~~wherein said repellent finish of said coating comprises a repellent selected from the group consisting of: a fluorochemical, a wax, a wax-metal emulsion, and an organometallic complex.~~
2. (Original) The device according to Claim 1, wherein the cationic material of said coating comprises a material selected from the group consisting of: polymeric and non-polymeric organic compounds.
3. (Original) The device according to claim 2, wherein the cationic material of said coating comprises a nitrogen containing material.
4. (Previously amended) The device according to Claim 3, wherein the nitrogen containing material is selected from the group consisting of: primary amine, secondary amine, tertiary amine, and quaternary amine.
5. (Original) The device according to Claim 3, wherein the nitrogen containing material includes amines converted to cationic amines under acidic conditions.
6. (Previously amended) The device according to Claim 3, wherein the nitrogen containing material comprises a primary amine selected from the group consisting of:
~~polyvinylamine and polyallylamine.~~
7. (Original) The device according to Claim 3, wherein the nitrogen containing material comprises homopolymers of cationic monomers.
8. (Previously amended) The device according to Claim 7, wherein said cationic monomers includes material selected from the group consisting of

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diallyldimethylammonium chloride and methacrylamidopropyltrimethyl ammonium chloride.

9. (Original) The device according to Claim 3, wherein the nitrogen containing material comprises copolymers of cationic monomers.

10. (Previously amended) The device according to Claim 9, wherein said cationic monomers includes material selected from the group consisting of diallyldimethylammonium chloride and methacrylamidopropyltrimethyl ammonium chloride.

11. (Original) The device according to Claim 2, wherein the cationic material of said coating comprises a phosphorus cationic material.

12. (Original) The device according to Claim 11, wherein the phosphorus cationic material comprises phosphonium.

13. (Previously amended) The device according to Claim 2, wherein the cationic material comprises a metal salt material.

~~17~~ 14. (Original) The device according to Claim ~~13~~¹⁶, wherein the metal salt material comprises a water soluble salt of cations selected from the group of the periodic table consisting of: Group II, Group III, and the Transition Metals.

~~18~~ 15. (Original) The device according to Claim ~~14~~¹⁶, wherein the metal salt material comprises a water soluble salt of cations selected from the group of cations consisting of: magnesium, calcium, aluminum, zinc, and zirconium.

16. (Previously amended) The device according to Claim 13, wherein the metal salt material includes an anion of a weak acid.

~~20~~ 17. (Original) The device according to Claim 2, wherein the cationic material comprises a quaternary polymer and a multivalent metal salt.

18. (Reinstated - formerly Claim 18) The device according to Claim 1, wherein the repellant finish of said coating includes a repellant material selected from the group

consisting of: a fluorochemical; a silicon; a resin-based finish; a wax; a wax-metal emulsion, and an organometallic complex.

19. (Currently amended) The device according to Claim 4 ¹⁸, wherein said repellent finish comprises a copolymer of perfluoroalkyl acrylate.

⁴¹ ~~20~~. (Original) The device according to Claim ⁴⁰~~19~~, wherein said repellent finish further includes comonomers.

⁴² ~~21~~. (Currently amended) The device according to Claim ⁴¹~~20~~, wherein said additional comonomers include esters of acrylic or ~~methacrylic~~ methacrylic acid containing material selected from the group consisting of: alkyl groups, alkylamide groups, and polyether groups.

¹³ ~~22~~. (Original) The device according to Claim 12, wherein said repellent finish comprises a copolymer of methacrylate.

¹⁴ ~~23~~. (Original) The device according to Claim ¹³~~22~~, wherein said repellent finish further includes comonomers.

¹⁵ ~~24~~. (Previously amended) The device according to Claim ¹⁴~~23~~, wherein said additional comonomers include esters of acrylic or methacrylic acid containing material selected from the group consisting of: alkyl groups, alkylamide groups, and polyether groups.

25. (Reinstated – formerly Claim 25) The device according to Claim 1, wherein said repellent finish includes polymers of methyl(hydrogen)siloxane.

26. (Reinstated – formerly Claim 26) The device according to Claim 1, wherein said repellent finish includes polymers of dimethylsiloxane.

²¹ ~~27~~. (Previously amended) The device according to Claim 1, further including an image disposed on the first surface of said textile having the coating thereon.

²² ~~28~~. (Original) The device according to Claim ²¹~~27~~, wherein the image disposed on said textile comprises a colorant selected from the group consisting of: dyes, pigments, and polymeric colorants.

- ~~23~~ 29. (Original) The device according to Claim 1, wherein said textile comprises a woven fabric.
- ~~24~~ 30. (Original) The device according to Claim ~~29~~²³, wherein the woven fabric is selected from the group consisting of: satin weave fabrics, poplin weave fabrics, and crepe weave fabrics.
- ~~25~~ 31. (Original) The device according to Claim ~~29~~²³, wherein said woven fabric includes from about 15 picks per inch to about 75 picks per inch.
- ~~26~~ 32. (Original) The device according to Claim ~~29~~²³, wherein said woven fabric includes from about 15 ends per inch to about 175 ends per inch.
- ~~27~~ 33. (Original) The device according to Claim 1, wherein said textile comprises a knit fabric.
- ~~28~~ 34. (Original) The device according to Claim ~~33~~²⁴, wherein the knit fabric is selected from the group consisting of: circular knit fabrics, warp knit fabrics, and warp knit fabrics having a microdenier face for the first surface.
- ~~29~~ 35. (Original) The device according to Claim ~~33~~²⁴, wherein said knit fabric comprises a warp knit fabric having from about 12 wales per inch to about 50 wales per inch.
- ~~30~~ 36. (Original) The device according to Claim ~~33~~²⁴, wherein said knit fabric comprises a warp knit fabric having from about 12 courses per inch to about 50 courses per inch.
- ~~31~~ 37. (Original) The device according to Claim 1, wherein said textile comprises a nonwoven material.
- ~~32~~ 38. (Original) The device according to Claim 1, wherein said textile comprises a tufted material.
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- ~~33~~ 39. (Currently amended) The device according to Claim 1, wherein said textile includes fibers selected from the group consisting of: polyester, nylon, wool, and acrylic.
- ~~34~~ 40. (Original) The device according to Claim 1, wherein said textile comprises a sign fabric.

- ³⁵
41. (Original) The device according to Claim 1, wherein said textile comprises a upholstery fabric.
- ³⁶
42. (Original) The device according to Claim 1, wherein said textile comprises a drapery fabric.
- ³⁷
43. (Original) The device according to Claim 1, wherein said textile comprises a napery fabric.
- ³⁸
44. (Original) The device according to Claim 1, wherein said textile comprises carpeting.
45. (Currently amended) A device comprising:
a textile substrate having a first surface;
a coating on the first surface of said textile substrate, said coating including a cationic material and a fluorochemical .
46. (Previously amended) The device according to Claim 45, wherein said fluorochemical comprises a fluorocarbon dispersion .
47. (Currently amended) The device according to Claim 45, further including an image disposed on the first-surface of said textile having the coating thereon.
48. (Original) The device according to Claim 45, wherein the image disposed on said textile comprises a colorant selected from the group consisting of: dyes, pigments, and polymeric colorants.
49. (Original) The device according to Claim 45, wherein said textile comprises a woven fabric.
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50. (Original) The device according to Claim 49, wherein the woven fabric is selected from the group consisting of: satin weave fabrics, poplin weave fabrics, and crepe weave fabrics.
51. (Original) The device according to Claim 49, wherein said woven fabric includes from about 15 picks per inch to about 75 picks per inch.

52. (Original) The device according to Claim 49, wherein said woven fabric includes from about 15 ends per inch to about 175 ends per inch.

53. (Original) The device according to Claim 45, wherein said textile comprises a knit fabric.

54. (Original) The device according to Claim 53, wherein the knit fabric is selected from the group consisting of: circular knit fabrics, warp knit fabrics, and warp knit fabrics having a microdenier face for the first surface.

55. (Original) The device according to Claim 53, wherein said knit fabric comprises a warp knit fabric having from about 12 wales per inch to about 50 wales per inch.

56. (Original) The device according to Claim 53, wherein said knit fabric comprises a warp knit fabric having from about 12 courses per inch to about 50 courses per inch.

57. (Original) The device according to Claim 45, wherein said textile comprises a nonwoven material.

58. (Original) The device according to Claim 45, wherein said textile comprises a tufted material.

59. (Original) The device according to Claim 45, wherein said textile includes fibers selected from the group consisting of: polyester, nylon, wool, and acrylic.

60. (Original) The device according to Claim 45, wherein said textile comprises a sign fabric.

61. (Original) The device according to Claim 45, wherein said textile comprises a upholstery fabric.

62. (Original) The device according to Claim 45, wherein said textile comprises a drapery fabric.

63. (Original) The device according to Claim 45, wherein said textile comprises a napery fabric.

64. (Original) The device according to Claim 45, wherein said textile comprises carpeting.

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65—71. (Claims withdrawn).

~~65~~ 72. (Previously amended) A device comprising a textile coated with a cationic material and a repellant finish, wherein said repellant finish comprises a repellant selected from the group consisting of: a fluorochemical, a wax, a wax-metal emulsion, and an organometallic complex, wherein said textile further comprises an image, the image having a color intensity of greater than 68.4 for the color black.

73—77. (Claims withdrawn).